

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Keisha Douglas

Timestamp: [year=2008; month=9; day=15; hr=11; min=33; sec=19; ms=83;]

=====

Application No: 10591538 Version No: 1.0

Input Set:

Output Set:

Started: 2008-08-14 12:00:03.996
Finished: 2008-08-14 12:00:05.406
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 410 ms
Total Warnings: 15
Total Errors: 0
No. of SeqIDs Defined: 23
Actual SeqID Count: 23

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 402	Undefined organism found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (22)
W 213	Artificial or Unknown found in <213> in SEQ ID (23)

SEQUENCE LISTING

<110> BIOPROTEIN TECHNOLOGIES

COHEN Jean, deceased

SOLER Eric

HOUDEBINE Louis-Marie

SCHWARTZ-CORNIL Isabelle

FOURGEUX Cynthia

PAREZ Nathalie

GARBARG-CHENON Antoine

<120> PREPARATION OF RECOMBINANT ROTAVIRUS PROTEINS IN MILK OF
TRANSGENIC NON-HUMAN MAMMALS

<130> D21684

<140> 10591538

<141> 2008-08-14

<150> PCT/IB2005/000896

<151> 2005-03-04

<150> EP 04/290 589

<151> 2004-03-04

<160> 23

<170> PatentIn version 3.3

<210> 1

<211> 2643

<212> DNA

<213> rotavirus

<220>

<223> VP2 strain RF open reading frame

<400> 1

atggcgctaca	ggaaacgtgg	agcgcgccgt	gaggcgaata	taaataataa	tgaccgaatg	60
caagagaaaag	atgacgagaa	acaagatcaa	aacaatagaa	tgcagttgtc	tgataaagta	120
ctttcaaaga	aagaggaagt	cgtaaccgac	agtcaagaag	aaattaaaat	tgctgatgaa	180
gtgaagaaat	cgacgaaaga	agaatctaaa	caattgcttg	aagttttgaa	aacaaaagaa	240
gagcaccaaa	aagagataca	atatgaaatt	ttgcaaaaaa	cgataccaac	atttgaacca	300
aaagagtcaa	tattgaaaaa	attggaggat	atcaaacccg	aacaagcgaa	gaagcagact	360
aagctattta	gaatatttga	accgagacag	ctaccaatth	atagagcgaa	tggtgaaaaa	420
gagttgcgta	acagatggta	ttggaagctg	aagaaagata	ctttaccaga	tgagagattat	480
gatgttagag	aatactttct	aaatttgtat	gatcagggtc	ttactgaaat	gccagattat	540
ttactattaa	aagatatggc	agttgaaaat	aaaaattcga	gagatgccgg	taaagttggt	600
gattctgaaa	cagcaagtat	ctgtgatgct	atatttcaag	atgaggaaac	agaaggtgca	660
gtgagacgat	tcattgcgga	gatgagacag	cgcgtacaag	ctgacagaaa	cgttgtcaat	720
tacccatcaa	tattgcatcc	aatagattac	gcttttaatg	agtatttttt	gcaacaccaa	780
ttagttgaac	cattgaataa	tgatataata	ttcaattaca	ttcctgaaag	gataaggaat	840
gacgttaact	atatacttaa	tatggacaga	aatctgccat	caacagctag	atatataaga	900
cctaatttac	tacaagacag	actgaatttg	catgacaatt	ttgaatcctt	gtgggatata	960
ataacaactt	caaactatat	tctggcaaga	tcggtagtac	cagattttaa	ggaattagtt	1020

tcaaccgaag	cgcaaattca	aaaaatgtca	caagacttgc	aactagaagc	attaacaata	1080
cagtcagaaa	cgcagttttt	aacaggtata	aactcacaag	cagcaaatga	ctgtttcaaa	1140
actctgattg	cagcaatggt	aagtcaacga	accatgtcgc	ttgatttcgt	gactacaaat	1200
tatatgtcat	taatttcagg	catgtgggtta	ctaactgtag	tgccaaatga	catgttcata	1260
agggaatcat	tggttgcatg	tcaactgggt	atagtgaata	caataatata	tccagcgttc	1320
ggaatgcaac	gaatgcatta	tagaaacgga	gaccacaaaa	gaccatttca	gatagcagaa	1380
caacaaatac	aaaattttca	agtagcgaat	tggctgcatt	ttgtcaataa	caatcaattt	1440
agacaagtag	ttattgatgg	tgtattgaat	caggtgctga	atgacaatat	tagaaatgga	1500
catgtcatta	atcaattgat	ggaagcttta	atgcaactat	cacgacaaca	gtttccaaca	1560
atgcctgttg	attataagag	gtcaatccag	cgtggaatat	tattgctatc	aaataggctt	1620
gggtcaattag	ttgattttaac	taggttatta	gcttacaact	acgaaacact	aatggcatgt	1680
gttacgatga	atatgcaaca	tgttcagact	ttgacaacag	aaaaattaca	gttaacttca	1740
gtcacatcgt	tgtgtatgct	tattggaaat	gcaaccgtta	taccagccc	gcagacattg	1800
tttctactatt	ataatgttaa	tgttaatttt	cattcaaatt	ataatgaaag	aattaatgat	1860
gcagtggcca	taataactgg	agctaataga	ctaaatttat	atcagaaaaa	gatgaaggca	1920
atagttgaag	atttttttaa	aagattacat	attttcgatg	tagctagagt	tccagatgat	1980
caaatgtata	gattaaggga	tagactacga	ctattgccag	tagaagtaag	acgattggat	2040
atttttaatt	tgatactgat	gaacatggat	cagatagaac	gcgcatcaga	taaaattgcg	2100
caaggtgtta	ttattgcgta	ccgcgatatg	caattggaaa	gagacgaaat	gtatggctac	2160
gtgaatatag	ctagaaattt	agatgggttc	cagcaaataa	acctagaaga	attgatgaga	2220
acaggcgatt	atgcacaaat	aactaacatg	ctcttgaata	atcaaccagt	agcgctagtt	2280
ggagctcttc	catttgttac	agactcgtca	gtcatatcgt	tgatagcgaa	cgttgacgct	2340
acagtttttg	cccaaatagt	taaattacgg	aaagttgata	ccttgaaacc	aatattgtat	2400
aaaataaatt	cagattcgaa	tgacttttac	ctagttgcc	actatgattg	ggtgcctact	2460
tcaaccacaa	aagtatataa	gcaagttcca	cagcaatttg	atttcagaaa	ttcgatgcat	2520
atgttaacat	caaactttac	tttctactgt	tactctgatc	tgcttgcat	cgtatcggcc	2580
gatacagtag	aacctataaa	tgcagttgca	tttgataata	tgcgcatcat	gaacgagttg	2640
taa						2643

<210> 2

<211> 2643

<212> DNA

<213> Artificial sequence

<220>

<223> VP2 strain RF open reading frame, modified sequence

<400> 2

atggcgtaca	ggaaacgtgg	agcgcgccgt	gaggcgaata	taaataataa	tgaccgaatg	60
caagagaaa	atgacgagaa	acaagatcaa	aacaatagaa	tgcaattgtc	tgataaagta	120
ctttcaaaga	aagaggaagt	cgtaaccgac	agtcaagaag	aaattaaaat	tgctgatgaa	180
gtgaagaaat	cgacgaaa	agaatctaaa	caattgcttg	aagttttgaa	aacaaaagaa	240
gagcaccaaa	aagagataca	atatgaaatt	ttgcaaaaaa	cgataccaac	atttgaacca	300
aaagagtcaa	tattgaaaaa	attggaggat	atcaaacccg	aacaagcgaa	gaagcagact	360
aagctattta	gaatatttga	accgagacag	ctaccaattt	atagagcgaa	tggtgaaaaa	420
gagttgcgta	acagatggta	ttggaagctg	aagaaagata	ctttaccaga	tgagagattat	480
gatgttagag	aatactttct	aaatttgtat	gatcagggtc	ttactgaaat	gccagattat	540
ttactattaa	aagatatggc	agttgaaaat	aagaattcga	gagatgccgg	taaagttggt	600
gattctgaaa	cagcaagtat	ctgtgatgct	atatttcaag	atgaggaaac	agaaggtgca	660
gtgagacgat	tcattgcgga	gatgagacag	cgctgacaag	ctgacagaaa	cgttgtcaat	720
tacccatcaa	tattgcatcc	aatagattac	gcttttaattg	agtatttttt	gcaacaccaa	780
ttagttgaac	cattgaataa	tgatataata	ttcaattaca	ttcctgaaag	gataaggaat	840
gacgttaact	atatacttaa	tatggacaga	aatctgccat	caacagctag	atatataaga	900
cctaattttac	tacaagacag	actgaatttg	catgacaatt	ttgaatcctt	gtgggataca	960
ataacaactt	caaactatat	tctggcaaga	tccgtagtac	cagatttaa	ggaattagtt	1020
tcaaccgaag	cgcaaattca	aaaaatgtca	caagacttgc	aactagaagc	attaacaata	1080

cagtcagaaa	cgcagttttt	aacaggtata	aactcacaag	cagcaaatga	ctgtttcaaa	1140
actctgattg	cagcaatggt	aagtcaacga	accatgtcgc	ttgatttcgt	gactacaaat	1200
tatatgtcat	taatttcagg	catgtggtta	ctaactgtag	tgccaaatga	catgttcata	1260
agggaaatcat	tgggtgcatg	tcaactggct	atagtgaata	caataatata	tccagcgttc	1320
ggaatgcaac	gaatgcatta	tagaaacgga	gaccacaaaa	gaccatttca	gatagcagaa	1380
caacaaatac	aaaattttca	agtagcgaat	tggtgcatt	ttgtcaataa	caatcaattt	1440
agacaagtag	ttattgatgg	tgtattgaat	cagggtgctga	atgacaatat	tagaaatgga	1500
catgtcatta	atcaattgat	ggaagcttta	atgcaactat	cacgacaaca	gtttccaaca	1560
atgcctgttg	attataagag	gtcaatccag	cgtggaatat	tattgctatc	aaataggctt	1620
gggtcaattag	ttgattttaac	taggttatta	gcttacaact	acgaaacact	aatggcatgt	1680
gttacgatga	atatgcaaca	tgttcagact	ttgacaacag	aaaaattaca	gttaacttca	1740
gtcacatcgt	tgtgtatgct	tattggaaat	gcaaccgtta	taccagccc	gcagacattg	1800
tttctactatt	ataatgttaa	tgttaatttt	cattcaaatt	ataatgaaag	aattaatgat	1860
gcagtgcca	taataactgg	agctaataga	ctaaatttat	atcagaaaaa	gatgaaggca	1920
atagttgaag	atttttttaa	aagattacat	attttcgatg	tagctagagt	tccagatgat	1980
caaatgtata	gattaaggga	tagactacga	ctattgccag	tagaagtaag	acgattggat	2040
atttttaatt	tgatactgat	gaacatggat	cagatagaac	gcgcatacaga	taaaattgcy	2100
caaggtgtta	ttattgcgta	ccgcgatatg	caattggaaa	gagacgaaat	gtatggctac	2160
gtgaatatag	ctagaaattt	agatgggttc	cagcaataaa	acctagaaga	attgatgaga	2220
acaggcgatt	atgcacaaat	aactaacatg	ctcttgaata	atcaaccagt	agcgctagtt	2280
ggagctcttc	catttggttac	agactcgtca	gtcatatcgt	tgatagcgaa	cgttgacgct	2340
acagtttttg	cccaaatagt	taaattacgg	aaagttgata	ccttgaaacc	aatattgtat	2400
aaaataaatt	cagatttcgaa	tgactttttac	ctagttgccca	actatgattg	ggtgcctact	2460
tcaaccacaa	aagtatataa	gcaagttcca	cagcaatttg	atttcagaaa	ttcgatgcat	2520
atgttaacat	caaactttac	tttctactgtt	tactctgatc	tgcttgcat	cgtatcggcc	2580
gatacagtag	aacctataaa	tgcagttgca	tttgataata	tgcgcatcat	gaacgagttg	2640
taa						2643

<210> 3

<211> 2643

<212> DNA

<213> Artificial sequence

<220>

<223> VP2 strain RF open reading frame, modified sequence

<400> 3

atggcgtaca	ggaaacgtgg	agcgcgcctg	gaggcgaata	taaataataa	tgaccgaatg	60
caagagaaaag	atgacgagaa	acaagatcaa	aacaatagaa	tgcagttgct	tgataaagta	120
ctttcaaaga	aagaggaagt	cgtaaccgac	agtcaagaag	aaattaaaat	tgctgatgaa	180
gtgaagaaat	cgacgaaaaga	agaatctaaa	caattgcttg	aagttttgaa	aacaaaagaa	240
gagcaccaaa	aagagataca	atatgaaatt	ttgcaaaaaa	cgataccaac	atgtgaacca	300
aaagagtcaa	tattgaaaaa	attggaggat	atcaaacctg	aacaagcgaa	gaagcagact	360
aagctattta	gaatatttga	accgagacag	ctaccaattt	atagagcgaa	tggtgaaaaa	420
gagttgcgta	acagatggta	ttggaagctg	aagaagata	ctttaccaga	tgagagattat	480
gatgttagag	aatactttct	aaatttgtat	gatcagggtc	ttactgaaat	gccagattat	540
ctctctctga	aagatatggc	agttgaaaat	aagaattcga	gagatgccgg	taaagttgtt	600
gattctgaaa	cagcaagtat	ctgtgatgct	atatttcaag	atgaggaaac	agaaggtgca	660
gtgagacgat	tcattgcgga	gatgagacag	cgcgtaacaag	ctgacagaaa	cgttgtcaat	720
tacccatcaa	tattgcatcc	aatagattac	gcttttaattg	agtatttttt	gcaacaccaa	780
ttagttgaac	cattgaataa	tgatataata	ttcaattaca	ttctgaaaag	gataaggaat	840
gacgttaact	atatacttaa	tatggacaga	aatctgccat	caacagctag	atatataaga	900
cctaatttac	tacaagacag	actgaatttg	catgacaatt	ttgaatcctt	gtgggataca	960
ataacaactt	caaactatat	tctggcaaga	tcggtagtag	cagattttaa	ggaattagtt	1020
tcaaccgaag	cgcaaatcca	aaaaatgtca	caagacttgc	aactagaagc	attaacaata	1080
cagtcagaaa	cgcagttttt	aacaggtata	aactcacaag	cagcaaatga	ctgtttcaaa	1140

actctgattg	cagcaatggt	aagtcaacga	accatgtcgc	ttgatttcgt	gactacaaat	1200
tatatgtcat	taatttcagg	catgtgggtta	ctaactgtag	tgccaaatga	catgttcata	1260
agggaaatcat	tgggtgcatg	tcaactggct	atagtgaata	caataatata	tccagcgttc	1320
ggaatgcaac	gaatgcatta	tagaaacgga	gaccacaaaa	gaccatttca	gatagcagaa	1380
caacaaatac	aaaattttca	agtagcgaat	tggctgcatt	ttgtcaataa	caatcaattt	1440
agacaagtag	ttattgatgg	tgtattgaat	caggtgctga	atgacaatat	tagaaatgga	1500
catgtcatta	atcaattgat	ggaagcttta	atgcaactat	cacgacaaca	gtttccaaca	1560
atgcctgttg	attataagag	gtcaatccag	cgtggaatat	tattgctatc	aaataggctt	1620
gggtcaattag	ttgattttaac	taggttatta	gcttacaact	acgaaacact	aatggcatgt	1680
gttacgatga	atatgcaaca	tgttcagact	ttgacaacag	aaaaattaca	gttaacttca	1740
gtcacatcgt	tgtgtatgct	tattggaaat	gcaaccgtta	taccagccc	gcagacattg	1800
tttctactatt	ataatgttaa	tgttaatttt	cattcaaatt	ataatgaaag	aattaatgat	1860
gcagtggcca	taataactgg	agctaataga	ctaaatttat	atcagaaaaa	gatgaaggca	1920
atagttgaag	atttttttaa	aagattacat	attttcgatg	tagctagagt	tccagatgat	1980
caaatgtata	gattaaggga	tagactacga	ctattgccag	tagaagtaag	acgattggat	2040
atttttaatt	tgatactgat	gaacatggat	cagatagaac	gcgcatcaga	taaaattgcy	2100
caaggtgtta	ttattgcgta	ccgcgatatg	caattggaaa	gagacgaaat	gtatggctac	2160
gtgaatatag	ctagaaattt	agatgggttc	cagcaaataa	acctagaaga	attgatgaga	2220
acaggcgatt	atgcacaaat	aactaacatg	ctcttgaata	atcaaccagt	agcgctagtt	2280
ggagctcttc	catttggttac	agactcgtca	gtcatatcgt	tgatagcgaa	cgttgacgct	2340
acagtttttg	cccaaatagt	taaattacgg	aaagttgata	ccttgaaacc	aatattgtat	2400
aaaataaatt	cagatttcgaa	tgacttttac	ctagttgcc	actatgattg	ggtgcctact	2460
tcaaccacaa	aagtatataa	gcaagttcca	cagcaatttg	atttcagaaa	ttcgatgcat	2520
atgttaacat	caaattcttac	tttctactgtt	tactctgatc	tgcttgcatc	cgtatcggcc	2580
gatacagtag	aacctataaa	tgcagttgca	tttgataata	tgcgcatcat	gaacgagttg	2640
ttaa						2643

<210> 4

<211> 2643

<212> DNA

<213> Artificial sequence

<220>

<223> VP2 strain RF open reading frame, modified sequence

<400> 4

atggcgtaca	ggaaacgtgg	agcgcgccgt	gaggcgaata	taaataataa	tgaccgaatg	60
caagagaaaag	atgacgagaa	acaagatcaa	aacaatagaa	tgcaattgtc	tgataaagta	120
ctttcaaaga	aagaggaagt	cgtaaccgac	agtcaagaag	aaattaaaat	tgctgatgaa	180
gtgaagaaat	cgacgaaaga	agaatctaaa	caattgcttg	aagttttgaa	aacaaaagaa	240
gagcaccaaa	aagagataca	atatgaaatt	ttgcaaaaaa	cgataccaac	atttgaacca	300
aaagagtcaa	tattgaaaaa	attggaggat	atcaaacggg	aacaagcgaa	gaagcagact	360
aagctattta	gaatatttga	accgagacag	ctaccaattt	atagagcgaa	tggtgaaaaa	420
gagttgcgta	acagatggta	ttggaagctg	aagaagata	ctttaccaga	tgagagattat	480
gatgttagag	aatactttct	aaatttgtat	gatcagggtc	ttactgaaat	gccagattat	540
ttactattaa	aagatatggc	agttgaaaat	aagaattcga	gagatgccgg	taaagttggt	600
gattctgaaa	cagcaagtat	ctgtgatgct	atatttcaag	atgaggaaac	agaaggtgca	660
gtgagacgat	tcattgcgga	gatgagacag	cgcgtaacaag	ctgacagaaa	cgttgtcaat	720
tacccatcaa	tattgcatcc	aatagattac	gcttttaatg	agtatttttt	gcaacaccaa	780
ttagttgaac	cattgaataa	tgatataata	ttcaattaca	ttctgaaaag	gataaggaat	840
gacgttaact	atatacttaa	tatggacaga	aatctgccat	caacagctag	atatataaga	900
cctaattttac	tacaagacag	actgaatttg	catgacaatt	ttgaatcctt	gtgggataca	960
ataacaactt	caaactatat	tctggcaaga	tcggtagtac	cagattttaa	ggaattagtt	1020
tcaaccgaag	cgcaaattca	aaaaatgtca	caagacttgc	aactagaagc	attaacaata	1080
cagtcagaaa	cgcagttttt	aacaggtata	aactcacaag	cagcaaatga	ctgtttcaaa	1140
actctgattg	cagcaatggt	aagtcaacga	accatgtcgc	ttgatttcgt	gactacaaat	1200

tatatgtcat	taatttcagg	catgtgggta	ctaactgtag	tgccaaatga	catgttcata	1260
agggaaatcat	tgggtgcatg	tcaactggct	atagtgaata	caataatata	tccagcggtc	1320
ggaatgcaac	gaatgcatta	tagaaacgga	gaccacacaa	gaccatttca	gatagcagaa	1380
caacaaatac	aaaattttca	agtagcgaat	tggctgcatt	ttgtcaataa	caatcaattt	1440
agacaagtag	ttattgatgg	tgtattgaat	cagggtgctga	atgacaatat	tagaaatgga	1500
catgtcatta	atcaattgat	ggaagcttta	atgcaactat	cacgacaaca	gtttccaaca	1560
atgectgttg	attataagag	gtcaatccag	cgtggaatat	tattgctatc	aaataggctt	1620
ggtcaattag	ttgattttaac	taggttatta	gcttacaact	acgaaacact	aatggcatgt	1680
gttacgatga	atatgcaaca	tgttcagact	ttgacaacag	aaaaattaca	gttaacttca	1740
gtcacatcgt	tgtgtatgct	tattggaaat	gcaaccgtta	taccagccc	gcagacattg	1800
tttcactatt	ataatgttaa	tgttaatttt	cattcaaatt	ataatgaaag	aattaatgat	1860
gcagtggcca	taataactgg	agctaataga	ctaaatttat	atcagaaaaa	gatgaaggca	1920
atagttgaag	atttttttaa	aagattacat	attttcgatg	tagctagagt	tccagatgat	1980
caaatgtata	gattaaggga	tagactacga	ctattgccag	tagaagtaag	acgattggat	2040
atttttaatt	tgatactgat	gaacatggat	cagatagaac	gcgcatcaga	taaaattgcg	2100
caaggtgtta	ttattgcgta	ccgcgatatg	caattggaaa	gagacgaaat	gtatggctac	2160
gtgaatatag	ctagaaattt	agatgggttc	cagcaaataa	acctagaaga	attgatgaga	2220
acaggcgatt	atgcacaaat	aactaacatg	ctcttgaata	atcaaccagt	agcgctagtt	2280
ggagctcttc	catttgttac	agactcgtca	gtcatttccc	tcacgctaa	cgttgacgct	2340
acagtttttg	cccaaatagt	taaattacgg	aaagttgata	ccttgaaacc	aatattgtat	2400
aaaataaatt	cagattcgaa	tgactttttac	ctagttgcca	actatgattg	ggtgcctact	2460
tcaaccacaa	aagtatataa	gcaagttcca	cagcaatttg	atttcagaaa	ttcgatgcat	2520
atgttaacat	caaactcttac	tttcactggt	tactctgata	tgcttgcat	cgtatcggcc	2580
gatacagtag	aacctataaa	tgcagttgca	tttgataata	tgcgcatcat	gaacgagttg	2640
ttaa						2643

<210> 5

<211> 2643

<212> DNA

<213> Artificial sequence

<220>

<223> VP2 strain RF open reading frame, modified sequence

<400> 5

atggcgtaga	ggaaacgtgg	agcgcgccgt	gaggcgaata	taaataataa	tgaccgaatg	60
caagagaaaag	atgacgagaa	acaagatcaa	aacaatagaa	tgagttgtc	tgataaagta	120
ctttcaaaga	aagaggaagt	cgtaacccgac	agtcaagaag	aaattaaaat	tgctgatgaa	180
gtgaagaaat	cgacgaaaga	agaatctaaa	caattgcttg	aagttttgaa	aacaaaagaa	240
gagcaccaaa	aagagataca	atatgaaatt	ttgcaaaaaa	cgataccaac	atttgaacca	300
aaagagtcaa	tattgaaaaa	attggaggat	atcaaacccg	aacaagcgaa	gaagcagact	360
aagctattta	gaatatttga	accgagacag	ctaccaattt	atagagcgaa	tggtgaaaaa	420
gagttgcgta	acagatggta	ttggaagctg	aagaaagata	ctttaccaga	tgagagattat	480
gatgttagag	aatactttct	aaatttgtat	gatcagggtc	ttactgaaat	gccagattat	540
ctcctcctga	aagatatggc	agttgaaaat	aagaattcga	gagatgccgg	taaagttggt	600
gattctgaaa	cagcaagtat	ctgtgatgct	atatttcaag	atgaggaaac	agaaggtgca	660
gtgagacgat	tcattgcgga	gatgagacag	cgcgtagaag	ctgacagaaa	cgttgtcaat	720
tacccatcaa	tattgcatcc	aatagattac	gcttttaaat	agtatttttt	gcaacaccaa	780
ttagttgaac	cattgaataa	tgatataata	ttcaattaca	ttcctgaaag	gataaggaat	840
gacgttaact	atatacttaa	tatggacaga	aatctgccat	caacagctag	atatataaga	900
cctaattttac	tacaagacag	actgaatttg	catgacaatt	ttgaatcctt	gtgggataca	960
ataacaactt	caaactatat	tctggcaaga	tcggtagtag	cagattttaa	ggaattagtt	1020
tcaaccgaag	cgcaatttca	aaaaatgtca	caagacttgc	aactagaagc	attaacaata	1080
cagtcagaaa	cgcagttttt	aacagggtata	aactcacaag	cagcaaatga	ctgtttcaaa	1140
actctgattg	cagcaatggt	aagtcaacga	accatgtcgc	ttgatttcgt	gactacaaat	1200
tatatgtcat	taatttcagg	catgtgggta	ctaactgtag	tgccaaatga	catgttcata	1260

agggaatcat	tggttgcattg	tcaactggct	atagtgaata	caataatata	tccagcgctc	1320
ggaatgcaac	gaatgcatta	tagaaacgga	gaccacacaaa	gaccatttca	gatagcagaa	1380
caacaaatac	aaaattttca	agtagcgaat	tggtcgcatt	ttgtcaataa	caatcaattt	1440
agacaagtag	ttattgatgg	tgtattgaat	caggtgctga	atgacaatat	tagaaatgga	1500
catgtcatta	atcaattgat	ggaagcttta	atgcaactat	cacgacaaca	gtttccaaca	1560
atgcctgttg	attataagag	gtcaatccag	cgtggaatat	tattgctatc	aaataggctt	1620
ggtcaattag	ttgattttaac	taggttatta	gcttacaact	acgaaacact	aatggcatgt	1680
gttacgatga	atatgcaaca	tgttcagact	ttgacaacag	aaaaattaca	gttaacttca	1740
gtcacatcgt	tgtgtatgct	tattggaaat	gcaaccgtta	taccagccc	gcagacattg	1800
tttcactatt	ataatgttaa	tgttaatttt	cattcaaatt	ataatgaaag	aattaatgat	1860
gcagtggcca	taataactgg	agctaataga	ctaaatttat	atcagaaaaa	gatgaaggca	1920
atagttgaag	atttttttaa	aagattacat	attttcgatg	tagctagagt	tccagatgat	1980
caaatgtata	gattaaggga	tagactacga	ctattgccag	tagaagtaag	acgattggat	2040
atttttaatt	tgatactgat	gaacatggat	cagatagaac	gcgcatcaga	taaaattgcg	2100
caaggtgtta	ttattgctga	ccgcgatatg	caattggaaa	gagacgaaat	gtatggctac	2160
gtgaatatag	ctagaaattt	agatgggttc	cagcaaataa	acctagaaga	attgatgaga	2220
acaggcgatt	atgcacaaat	aactaacatg	ctcttgaata	atcaaccagt	agcgctagtt	2280
ggagctcttc	catttgttac	agactcgtca	gtcatttccc	tcacgctaa	cgttgacgct	2340
acagtttttg	cccaaatagt	taaattacgg	aaagttgata	ccttgaaacc	aatattgtat	2400
aaaataaatt	cagattcga	tgactttttac	ctagttgcc	actatgattg	ggtgcctact	2460
tcaaccacaa	aagtatataa	gcaagttcca	cagcaatttg	atttcagaaa	ttcgatgcat	2520
atgttaacat	caaactttac	tttcactggt	tactctgac	tgcttgcat	cgtatcggcc	2580
gatacagtag	aacctataaa	tgcagttgca	tttgataata	tgcgcatcat	gaacgagttg	2640
taa						2643

<210> 6

<211> 2797

<212> DNA

<213> Artificial sequence

<220>

<223>